RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	<u> 10/523,655.</u>	
Source:	P4/10	
Date Processed by STIC:	2/22/05	
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RAW SEQUENCE LISTING DATE: 02/22/2005
PATENT APPLICATION: US/10/523,655 TIME: 08:55:57

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             ESCHER, Alan P.
      5
             LI, Fengchun
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      9 <130> FILE REFERENCE: 14102-1US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/523,655
     12 <141> CURRENT FILING DATE: 2005-02-04
     14 <150> PRIOR APPLICATION NUMBER: US 60/401,652
     15 <151> PRIOR FILING DATE: 2002-08-06
     17 <150> PRIOR APPLICATION NUMBER: PCT/US03/24625
     18 <151> PRIOR FILING DATE: 2003-08-06
     20 <160> NUMBER OF SEQ ID NOS: 7
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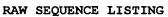


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212 214 216 218 220 222 224 226 238 230 232 234 240 242 244 246 248 250	atgtacagga gcacctactt cccactttgg ttcgatagat aattggaat actctaaaat ttggatatgg acctatgaaa gaatcattg tctaacatgt ggaatggctg aagaagggag gagagaggga gggtttgttc ccctcttag gcttgggtg agggccaact gctctcctgg ctcttcagc tgcggacgcc	tgcaactcct acgcgtttct cgtttctgca caaccaaagt tggcagacca atgcaattaa ttggattagc ttgctccagt gctggccagg atgccatgat ctcttcccag ctgcagcctt aaatgattcc ctttcctcgt ctgtcgctga gggattact ctgtgacgtg ttagagaaga aagataaaca acgttgatgt	ccatgcaaca agatgttatg gattgattc accacaaaat aacagggcat agcagactgg atttgtgctt gggctctggc gatcgcacgc gctcattgcc agggattgga atctgatctt gagtgccaca catttgcaaa gatgcccga gatcccga gatccccga gattgatg ttatgacctg	gacctgctgc aacattttac cattatccta ttgaggaaa cctagatact ctgacatcaa ttggaatatg gatgggatat tttaagatgt ttcacgtctg agagacagcg gaaagaagga gctggaacca aagtataaga aacacaagt aagatgatgg cagaattgca tcctatgaca tggctgatgt	cggcgtgtga ttcagtatgt atgagcttct ttttgatgca tcaatcaact cagcaaatac tcacactaaa tttctcccgg tcccagaagt aacatagtca tgattctgat ttcttgaagc ccgtgtacgg tctggatgca ggaaactgag gagtcccttt accaaatgca ctggagacaa ggagggcaaa	tggagaaagg ggtgaaaagt ccaagaatat ttgccaaaca ttctactggt taacatgttc gaaaatgaga tggcgccata caaggagaaa ttttctctc taaatgtgat caaacagaaa agcatttgac tgtggatgca tggcgtggag gcagtggtct tgcctcctac ggcgttacag ggggactacc	120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200
212 214 216 218 220 222 224 226 230 232 234 236 242 244 246 248 250 252	atgtacagga gcacctactt cccactttgg ttcgatagat aattggaat actctaaaat ttggatatgg acctatgaaa gaatcattg tctaacatgt ggaatggctg aagaagggag gagagaggga gggtttgttc ccctcttag gcttgggtg aggccaact gctctcctgg ctcttcagc tgcggacgcc ggtttgaag	tgcaactcct acgcgtttct cgtttctgca caaccaaagt tggcagacca atgcaattaa ttggattagc ttgctccagt gctggccagg atgccatgat ctcttcccag ctgcagcctt aaatgattcc ctttcctcgt ctgtcgctga gggattact ctgtgacgtg ttagagaaga aagataaaca acgttgatgt cgcatgttga	ccatgcaaca agatgttatg gattgattc accacaaaat aacagggcat agcagactgg atttgtgctt gggctctggc gatcgcacgc gctcattgcc agggattgga atctgatctt gagtgccaca catttgcaaa gatgcccga gaatccacac gggattgatg ttatgacctg ttttaaacta taaatgtttg	gacctgctgc aacattttac cattatccta ttggaggaaa cctagatact ctgacatcaa ttggaatatg gatgggatat tttaagatgt ttcacgtctg agagacagcg gaaagaagga gctggaacca aagtataaga aacacaagt aagatgtgca tcctatgaca tggctgatgt gagttggcag	cggcgtgtga ttcagtatgt atgagcttct ttttgatgca tcaatcaact cagcaaatac tcacactaaa tttctcccgg tcccagaagt aacatagtca tgattctgat ttcttgaagc ccgtgtacgg tctggatgca ggaaactgag gagtcccttt accaaatgca ctggagacaa ggagggcaaa agtatttata	tggagaaagg ggtgaaaagt ccaagaatat ttgccaaaca ttctactggt taacatgttc gaaaatgaga tggcgccata caaggagaaa ttttctctc taaatgtgat caaacagaaa agcatttgac tgtggatgca tggcgtggag gcagtggtct tgcctcctac ggcgttacag ggggactacc caacatcata	120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200 1260
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212 214 216 218 220 222 224 226 238 230 232 234 246 248 250 252 254 256	atgtacagga gcacctactt cccactttgg ttcgatagat aattggaaat actctaaaat ttggatatgg acctatgaaa gaatcattg tctaacatgt ggaatggctg aagaagggag gagagaggga gggtttgttc ccctcttag gcttggggtg agggccaact gctctcctgg ctcttcagc tgcggacgcc gggtttgaag aaaaccgag ttctggtaca	tgcaactcct acgcgtttct cgtttctgca caaccaaagt tggcagacca atgcaattaa ttggattagc ttgctccagt gctggccagg atgccatgat ctcttcccag ctgcagcctt aaatgattcc ctttcctcgt ctgtcgctga ggggattact ctgtagagaaga acgttgatgt cgcatgttga aaggatatga tcgcatgttga aaggatatga ttcctccaag	ccatgcaaca agatgttatg gattgattc accacaaaat aacagggcat agcagactgg atttgtgctt gggctctggc gatcgcacgc gctcattgcc agggattga atctgatctt gagtgccaca catttgcaaa gatgtcccga gaatccacac gggattgatg ttatgacctg tttaaacta taaatgtttg gatggtgttt cttgcgtact	gacctgctgc aacattttac cattatccta ttggaggaaa cctagatact ctgacatcaa ttggaatatg gatgggatat tttaagatgt ttcacgtctg agagacagcg gaaagaagga gctggaacca aagtataaga aacacaagt aagatgtgca tcctatgaca tggctgatgt gagttggcag	cggcgtgtga ttcagtatgt atgagcttct ttttgatgca tcaatcaact cagcaaatac tcacactaaa tttctcccgg tcccagaagt aacatagtca tgattctgat ttcttgaagc ccgtgtacgg tctggatgca ggaaactgag gagtcccttt accaaatgca ctggagacaa ggagggcaaa agtatttata ctgaggacac atgaagagag	tggagaaagg ggtgaaaagt ccaagaatat ttgccaaaca ttctactggt taacatgttc gaaaatgaga tggcgccata caaggagaaa tttttctctc taaatgtgat caaacagaaa agcatttgac tgtggatgca tggcgtggag gcagtggtct tgcctcctac ggcgttaca ggggactacc caacatcata aaatgtctgc aatgagtcgc	120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200 1260



DATE: 02/22/2005 PATENT APPLICATION: US/10/523,655 TIME: 08:55:57

Input Set : A:\Sequence Listing.txt Output Set: N:\CRF4\02222005\J523655.raw

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	<220> FEATU					•	
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		_	aaagatgact		-	_	120
	-	_	gtggtgggcc		-		180
			agaaaaacat				240
			atggcgacat				300
288	tgtattatac	cagatcttat	tggtatgggc	aaatcaggca	aatctggtaa	tggttcttat	360
290	aggttacttg	atcattacaa	atatcttact	gcatggtttg	aacttcttaa	tttaccaaag	420
			tgattggggt				480
			aatagttcac				540
			tgaagaagat				600
			cttcttcgtg				660
			tgcagcatat	-			720
			gcctcgtgaa				780
			ttataatgct				840
			aggattcttt	_			900
		-	caaagtaaaa			•	960
			caaatcgttc				1020
			catttttccc				1080 1140
		=	tttcacaggg			_	
	_	_	attttggaat atattataat		-		1200 1260
	ttataaaaaa		acactatad	cacacccycc	atytaataaa	cicygilla	1271
220	ctataaaaaa	u					1211

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/523,655

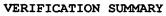
DATE: 02/22/2005 TIME: 08:55:58

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02222005\J523655.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:6,7



PATENT APPLICATION: US/10/523,655

DATE: 02/22/2005 TIME: 08:55:58

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02222005\J523655.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number